

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/051246

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 D07B1/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 D07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 99/31313 A (BEKAERT SA NV ; POETHKE HORST (BE); LIPPENS YVAN (BE); MEERSSCHAUT) 24 June 1999 (1999-06-24) claims 1,10-12,14; figure 1 -----	1-3,6
Y	US 2002/153078 A1 (CORDONNIER FRANCOIS-JACQUES ET AL) 24 October 2002 (2002-10-24) paragraph '0230!; claims 1-8; figure 1 -----	1-3,6
A	WO 02/44464 A (BEKAERT SA NV ; WOSTYN STEVEN (BE); RORE NIKO DE (BE); VANNESTE STI) 6 June 2002 (2002-06-06) claim 1; figure 8 -----	1,2,6
A	EP 1 033 435 A (BEKAERT SA NV) 6 September 2000 (2000-09-06) claims 1,2; figure 1 -----	1,6
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

27 September 2004

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INTERNATIONAL SEARCH REPORTInternational Application No
PCT/EP2004/051246**C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 074 345 A (PENANT CHRISTOPHE) 24 December 1991 (1991-12-24) claims 1,2; figure 1 -----	1,6

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/051246

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9931313	A	24-06-1999	AU BR CN DE DE WO EP JP	2271199 A 9813620 A 1282390 T 69812704 D1 69812704 T2 9931313 A1 1038064 A1 2002508457 T		05-07-1999 10-10-2000 31-01-2001 30-04-2003 15-01-2004 24-06-1999 27-09-2000 19-03-2002
US 2002153078	A1	24-10-2002	FR AU BR CA EP JP CN WO RU	2795751 A1 5819900 A 0012004 A 2377170 A1 1200671 A1 2003503605 T 1359435 T 0100922 A1 2227186 C2		05-01-2001 31-01-2001 12-03-2002 04-01-2001 02-05-2002 28-01-2003 17-07-2002 04-01-2001 20-04-2004
WO 0244464	A	06-06-2002	AU BR CN EA WO EP JP US	1505102 A 0115818 A 1478162 T 4583 B1 0244464 A1 1346102 A1 2004522864 T 2004045652 A1		11-06-2002 16-09-2003 25-02-2004 24-06-2004 06-06-2002 24-09-2003 29-07-2004 11-03-2004
EP 1033435	A	06-09-2000	EP AT AU BR CN DE WO EP JP TR US	1033435 A1 272142 T 2917100 A 0008735 A 1341178 T 60012487 D1 0052254 A1 1159480 A1 2002538327 A 200102443 T2 6334293 B1		06-09-2000 15-08-2004 21-09-2000 02-01-2002 20-03-2002 02-09-2004 08-09-2000 05-12-2001 12-11-2002 21-11-2001 01-01-2002
US 5074345	A	24-12-1991	FR AT AU AU BR CA DE DE EP ES JP JP OA US	2636978 A1 84081 T 618132 B2 4177289 A 8904932 A 1326980 C 68904153 D1 68904153 T2 0362570 A1 2037360 T3 2112491 A 2986484 B2 9096 A 5261473 A		30-03-1990 15-01-1993 12-12-1991 05-04-1990 08-05-1990 15-02-1994 11-02-1993 29-04-1993 11-04-1990 16-06-1993 25-04-1990 06-12-1999 31-10-1991 16-11-1993